## **Amendments to the Specification:**

## 1. Please replace Table 1 in the specification with the following,

	Table 1		
Entry	Name	Structure	
1	2-[(3-cyano-4,6-dimethyl-5-nitropyridin-2-yl)oxy]-N-[3-(trifluoromethyl)phenyl]acetamide	$O_2N$ $CN$ $CF_3$	
2	N²-(2-amino-6-chloropyrimidin-4-yl)-N- [3-(trifluoromethyl)phenyl]glycinamide N-2-(2-amino-6-chloropyrimidin-4-yl)- N-[3- (trifluoromethyl)phenyl]glycinamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$	
3	[2-amino-6-(methylthio)pyrimidin-4-yl]methyl [3-(trifluoromethyl)phenyl]carbamate	$H_2N$ $N$ $O$ $N$ $O$ $CF_3$	
4	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-[5- (trifluoromethyl)pyridin-2-yl]acetamide	$H_2N$ $N$ $N$ $S$ $CN$ $H$ $N$ $CF_3$	
5	N²-[2-amino-6-(methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-[2-amino-6-(methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$	
6	2-{[2-amino-6-(methylthio)pyrimidin-4-yl]oxy}-N-[3-(trifluoromethyl)phenyl]acetamide	$S \longrightarrow O \longrightarrow N \longrightarrow F \longrightarrow F$	

	Table 1	
7	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-[3- (methyloxy)phenyl]acetamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
8	N²-(2-amino-6-morpholin-4-ylpyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]glycinamide N-2-(2-amino-6-morpholin-4-ylpyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]glycinamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
9	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-(4- chlorophenyl)acetamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
10	2-{[2-amino-6-(1H-1,2,3-benzotriazol-1-yloxy)pyrimidin-4-yl]thio}-N-[3-(trifluoromethyl)phenyl]acetamide	NH <sub>2</sub> N N S H N CF <sub>3</sub>
11	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-(3- chlorophenyl)acetamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
12	N²-(2-amino-6-chloro-5- formylpyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]glycinamide N-2 (2-amino-6-chloro-5- formylpyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]glycinamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$

Table 1		
13	N²-[2-amino-5-formyl-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-formyl-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
14	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]oxy}-N-[3- (trifluoromethyl)phenyl]acetamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
15	2-[(2-amino-6-chloropyrimidin-4-yl)thio]-N-[3-(trifluoromethyl)phenyl]acetamide	$CI \longrightarrow S \longrightarrow F \longrightarrow F$
16	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N- methyl-N-[3- (trifluoromethyl)phenyl]acetamide	$H_2N$ $N$ $S$ $N$ $CF_3$
17	N <sup>2</sup> -[4-amino-6-(methylthio)-1,3,5- triazin-2-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-[4-amino-6-(methylthio)-1,3,5- triazin-2-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
18	N <sup>2</sup> -[4-(dimethylamino)-6-(methylthio)- 1,3,5-triazin-2-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-[4-(dimethylamino)-6-(methylthio)- 1,3,5-triazin-2-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide	S N H N CF3
19	N²-[4-(methylamino)-6-(methylthio)- 1,3,5-triazin-2-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-[4-(methylamino)-6-(methylthio)- 1,3,5-triazin-2-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide	N N N N CF3

	Table 1	
20	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
21	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-[3- (trifluoromethyl)phenyl]acetamide '2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-[3- (trifluoromethyl)phenyl]acetamide	SH2 SH2 SH2 SFF
22	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-[3- (butyloxy)phenyl]acetamide '2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-[3- (butyloxy)phenyl]acetamide	
23	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-1,3- benzothiazol-2-ylacetamide '2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-1,3- benzothiazol-2-ylacetamide	H <sub>2</sub> N N S O S HN N
24	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-(5- ethyl-1,3,4-thiadiazol-2-yl)acetamide '2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-(5- ethyl-1,3,4-thiadiazol-2-yl)acetamide	S-N-N-NH <sub>2</sub>
25	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-(4- methyl-1,3-thiazol-2-yl)acetamide '2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-(4- methyl-1,3-thiazol-2-yl)acetamide	NH <sub>2</sub> NH <sub>2</sub> N N N N N N N N N N N N N N N N N N N
26	2-amino-4-{[2-(3,5-dimethyl-1H-pyrazol-1-yl)-2-oxoethyl]thio}-6-(methylthio)pyrimidine-5-carbonitrile '2-amino-4-{[2-(3,5-dimethyl-1H-pyrazol-1-yl)-2-oxoethyl]thio}-6-(methylthio)pyrimidine-5-carbonitrile	S N N N N N N N N N N N N N N N N N N N

	Table 1	
27	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-1,3- thiazol-2-ylacetamide '2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-1,3- thiazol-2-ylacetamide	NH <sub>2</sub> N N N N N N N N N N N N N N N N N N N
28	ethyl 5-[({[2-amino-5-cyano-6- (methylthio)pyrimidin-4- yl]thio}acetyl)amino]-4-cyano-3- methylthiophene-2-carboxylate	$H_2N$ $N$ $S$ $CN$ $N$ $N$ $S$ $N$
29	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N- pyridin-2-ylacetamide	$H_2N$ $N$ $S$ $CN$ $H$ $N$ $N$ $S$ $N$
30	2-amino-4-({2-[2,5-bis(methyloxy)phenyl]-2-oxoethyl}thio)-6-(methylthio)pyrimidine-5-carbonitrile	$H_2N$ $N$ $S$ $CN$ $S$ $O$ $O$
31	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-[4- fluoro-3- (trifluoromethyl)phenyl]acetamide	$H_2N$ $N$ $N$ $S$ $CN$ $N$ $N$ $S$ $N$
32	2-[(2,6-diaminopyrimidin-4-yl)thio]-N- [4-fluoro-3- (trifluoromethyl)phenyl]acetamide	$H_2N$ $N$ $S$ $O$ $F$ $CF_3$
33	2-[(2,6-diaminopyrimidin-4-yl)thio]-N- [3-(trifluoromethyl)phenyl]acetamide	$H_2N$ $N$ $S$ $CF_3$

	Table 1	
34	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-[4- chloro-3- (trifluoromethyl)phenyl]acetamide	$H_2N$ $N$ $S$ $CN$ $N$ $S$ $N$ $N$ $S$ $N$ $N$ $N$ $S$ $N$
35	2-amino-4-(methylthio)-6-({2-oxo-1-[3-(trifluoromethyl)phenyl]pyrrolidin-3-yl}thio)pyrimidine-5-carbonitrile	$H_2N$ $N$ $S$ $CN$ $CF_3$
36	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-[6- (trifluoromethyl)pyridin-2-yl]acetamide	$H_2N$ $N$ $S$ $CN$ $N$ $N$ $S$ $N$ $N$ $N$ $S$ $N$ $S$ $N$ $N$ $S$ $N$ $S$ $N$ $N$ $S$ $N$ $N$ $S$ $N$ $N$ $S$ $N$ $N$ $S$ $N$ $S$ $N$ $S$ $N$ $N$ $N$ $S$ $N$ $N$ $S$ $N$ $N$ $N$ $S$ $N$
37	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-[4- (trifluoromethyl)pyridin-2-yl]acetamide	$H_2N$ $N$ $S$ $CN$ $N$ $N$ $S$ $N$ $N$ $N$ $S$ $N$
38	{6-(methylthio)-2- [(phenylmethyl)amino]pyrimidin-4- yl}methyl [3- (trifluoromethyl)phenyl]carbamate	S O H CF3
39	[6-(methylamino)-2- (methylthio)pyrimidin-4-yl]methyl [3- (trifluoromethyl)phenyl]carbamate	S N CF <sub>3</sub>
40	{2-(methylthio)-6- [(phenylmethyl)amino]pyrimidin-4- yl}methyl [3- (trifluoromethyl)phenyl]carbamate	S N CF <sub>3</sub>

	Table 1	
41	2-{[2-(acetylamino)-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-[3- (trifluoromethyl)phenyl]acetamide	N H S F F
42	(2S)-2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]oxy}-N-[3- (trifluoromethyl)phenyl]propanamide	$-s$ $N$ $O$ $H_2N$ $O$ $F$
43	2-[(2-amino-6-chloro-5-formylpyrimidin-4-yl)thio]-N-[3-(trifluoromethyl)phenyl]acetamide	NH <sub>2</sub> N H S O F F
44	N-2-[2-amino-5-(hydroxymethyl)-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide	CI S O H F F
45	2-{[2-amino-5-formyl-6- (methylamino)pyrimidin-4-yl]thio}-N- [3-(trifluoromethyl)phenyl]acetamide	NH <sub>2</sub> NH <sub>2</sub> S O F F
46	2-{[2-amino-5-formyl-6- (methylthio)pyrimidin-4-yl]oxy}-N-[3- (trifluoromethyl)phenyl]acetamide	NH <sub>2</sub> N N N N F F F
47	2-{[4-amino-6-(methylthio)-1,3,5- triazin-2-yl]oxy}-N-[3- (trifluoromethyl)phenyl]acetamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$

Table 1		
48	2-{[2-amino-6-(methylthio)pyrimidin-4-yl]thio}-N-[3-(trifluoromethyl)phenyl]acetamide	S N N S F F F
49	2-amino-4-(methylthio)-6-{[2-oxo-2-(3-oxo-3,4-dihydro-2H-1,4-benzoxazin-6-yl)ethyl]thio}pyrimidine-5-carbonitrile	H <sub>2</sub> N N N N N N N N N N N N N N N N N N N
50	2-[(2-amino-6-chloro-5- formylpyrimidin-4-yl)oxy]-N-[3- (trifluoromethyl)phenyl]acetamide	NH <sub>2</sub> N H N F F F
51	2-{[2-amino-5-formyl-6- (phenylthio)pyrimidin-4-yl]thio}-N-[3- (trifluoromethyl)phenyl]acetamide	$S \downarrow S \downarrow$
52	2-{[2-amino-5-(hydroxymethyl)-6-(phenylthio)pyrimidin-4-yl]thio}-N-[3-(trifluoromethyl)phenyl]acetamide	S N N N F F F
53	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-[2- methyl-3- (trifluoromethyl)phenyl]acetamide	H <sub>2</sub> N N S N H F F
54	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-[2- (methyloxy)-5- (trifluoromethyl)phenyl]acetamide	$H_2N$ $N$ $S$ $N$

Table 1		
55	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-[2- chloro-5- (trifluoromethyl)phenyl]acetamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
56	2-{[2-amino-5-(hydroxymethyl)-6- (methylthio)pyrimidin-4-yl]oxy}-N-[3- (trifluoromethyl)phenyl]acetamide	NH <sub>2</sub> S OH F F
57	N²-(6-amino-1H-pyrazolo[3,4-d]pyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]glycinamide N-2-(6-amino-1H-pyrazolo[3,4-d]pyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]glycinamide	NH <sub>2</sub> N N N N N N N N N N N N N N N N N N N
58	N <sup>2</sup> -[2-amino-5-[(E)-hydrazonomethyl]- 6-(methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-[(E)-hydrazonomethyl]- 6-(methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide	S NH <sub>2</sub> N N N N N N N N N N N N N N N N N N N
59	N²-[2-amino-5-[(E)- (hydroxyimino)methyl]-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-[(E)- (hydroxyimino)methyl]-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide	NH <sub>2</sub> N N N N N N N N N N N N N N N N N N N
60	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alaninamide	S NH2 N N H N F F

	Table 1	
61	2-{[2-amino-5-cyano-6- (methylamino)pyrimidin-4-yl]thio}-N- [3-(trifluoromethyl)phenyl]acetamide	NH N N S N N F F
62	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N-[2- amino-5- (trifluoromethyl)phenyl]acetamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
63	2-amino-4-(methylthio)-6-({[6- (trifluoromethyl)-1H-benzimidazol-2- yl]methyl}thio)pyrimidine-5-carbonitrile	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
64	2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]hydrazinecarbo xamide	H <sub>2</sub> N N H N F F
65	N²-[5-cyano-2-(methylamino)-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-[5-cyano-2-(methylamino)-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide	N H F F
66	2-{[2-amino-5-cyano-6- (dimethylamino)pyrimidin-4-yl]thio}-N- [3-(trifluoromethyl)phenyl]acetamide	$H_2N$ $N$ $S$ $N$ $F$ $F$ $F$
67	(S)-1-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]prolinamide	H <sub>2</sub> N N O F F

	Table 1	
68	(2R)-2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]oxy}-N-[3- (trifluoromethyl)phenyl]propanamide	$-s$ $N$ $O$ $H_2N$ $O$ $H_3$ $O$ $F$
69	1-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]oxy}-N-[3- (trifluoromethyl)phenyl]cyclopropanecar boxamide	-S $N$
70	(2S)-2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]oxy}-3- methyl-N-[3- (trifluoromethyl)phenyl]butanamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
71	N²-[5-cyano-2-(dimethylamino)-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-[5-cyano-2-(dimethylamino)-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide	N H N F F
72	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N²-methyl- N-[3- (trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-2- methyl-N-[3- (trifluoromethyl)phenyl]glycinamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
73	1-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]amino}-N- [3- (trifluoromethyl)phenyl]cyclopropanecar boxamide	-S $N$
74	N <sup>2</sup> -[2-amino-5-cyano-6- (methylsulfinyl)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N-2-[2-amino-5-cyano-6- (methylsulfinyl)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alaninamide	H <sub>2</sub> N N H N F F

	Table 1	
75	N²-[2-amino-5-cyano-6- (methylsulfonyl)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N-2-[2-amino-5-cyano-6- (methylsulfonyl)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alaninamide	H <sub>2</sub> N N H F F
76	N²-(5-cyano-2-morpholin-4- ylpyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-(5-cyano-2-morpholin-4- ylpyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]glycinamide	N H F F
77	2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]thio}-N- [3,5- bis(trifluoromethyl)phenyl]acetamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
78	N²-[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N-2-[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alaninamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
79	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[2- (methyloxy)-5-(trifluoromethyl)phenyl]- L-alaninamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[2- (methyloxy)-5 (trifluoromethyl)phenyl]- L-alaninamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
80	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[2- chloro-5-(trifluoromethyl)phenyl]-L- alaninamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[2- chloro-5-(trifluoromethyl)phenyl]-L- alaninamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$

Table 1		
81	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-2-methyl- N-[3- (trifluoromethyl)phenyl]alaninamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-2-methyl- N-[3- (trifluoromethyl)phenyl]alaninamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
82	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-{3-[(4- methylpiperazin-1-yl)carbonyl]phenyl}- L-alaninamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-{3-[(4- methylpiperazin-1-yl)carbonyl]phenyl}- L-alaninamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
83	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-D-alaninamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-D-alaninamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
84	2-[(2-amino-5-cyano-6-morpholin-4-ylpyrimidin-4-yl)thio]-N-[3-(trifluoromethyl)phenyl]acetamide	NH <sub>2</sub> N N S S F F
85	(R)-1-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]prolinamide	H <sub>2</sub> N N O N F F
86	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$

	Table 1	
87	N <sup>2</sup> -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N <sup>2</sup> -[2- (dimethylamino)ethyl]-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-2-[2- (dimethylamino)ethyl]-N-[3- (trifluoromethyl)phenyl]glycinamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
88	N <sup>2</sup> -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N-2-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alaninamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
89	N <sup>2</sup> -(2,6-diamino-5-cyanopyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]-L-alaninamide N-2-(2,6-diamino-5-cyanopyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]-L-alaninamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
90	N <sup>2</sup> -(2-amino-5-cyanopyrimidin-4-yl)-N- [3-(trifluoromethyl)phenyl]-L- alaninamide N-2-(2-amino-5-cyanopyrimidin-4-yl)- N-[3-(trifluoromethyl)phenyl]-L- alaninamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
91	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-2- methyl-N-[3-(trifluoromethyl)phenyl]-L- alaninamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-2- methyl-N-[3-(trifluoromethyl)phenyl]-L- alaninamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
92	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-(3-{[2- (diethylamino)ethyl]oxy}phenyl)-L- alaninamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-(3-{[2- (diethylamino)ethyl]oxy}phenyl)-L- alaninamide	H <sub>2</sub> N N N N N N N N N N N N N N N N N N N

	Table 1	
93	2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-1,2- dimethyl-N-[3- (trifluoromethyl)phenyl]hydrazinecarbo xamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
94	N <sup>2</sup> -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- amino-5-(trifluoromethyl)phenyl]-L- alaninamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- amino-5-(trifluoromethyl)phenyl]-L- alaninamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
95	ethyl [1-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-2-({[3- (trifluoromethyl)phenyl]amino}carbonyl )hydrazino]acetate	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
96	2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-2-methyl- N-[3- (trifluoromethyl)phenyl]hydrazinecarbo xamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
97	3,5-diamino-4,6-dimethyl-N-[3- (trifluoromethyl)phenyl]furo[2,3- b]pyridine-2-carboxamide	$H_2N$ $NH_2$ $H_2$ $CF_3$
98	3-amino-4,6-dimethyl-5-nitro-N-[3- (trifluoromethyl)phenyl]furo[2,3- b]pyridine-2-carboxamide	$O_2N$ $NH_2$ $CF_3$
99	N <sup>2</sup> -(2-amino-5-cyano-6- hydroxypyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N-2-(2-amino-5-cyano-6- hydroxypyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]-L-alaninamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$

	Table 1	
100	N <sup>2</sup> -[5-cyano-2-(methylthio)pyrimidin-4- yl]-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-[5-cyano-2-(methylthio)pyrimidin- 4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide	S $N$
101	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N²- (tetrahydro-2H-pyran-4-ylmethyl)-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-2- (tetrahydro-2H-pyran-4-ylmethyl)-N-[3- (trifluoromethyl)phenyl]glycinamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
102	N²-(2-amino-5-cyano-6-{[2-(dimethylamino)ethyl]oxy}pyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]-L-alaninamide N-2-(2-amino-5-cyano-6-{[2-(dimethylamino)ethyl]oxy}pyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]-L-alaninamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
103	N <sup>2</sup> -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N <sup>6</sup> -{[(1,1- dimethylethyl)oxy]carbonyl}-N-[3- (trifluoromethyl)phenyl]-L-lysinamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-6-{[(1,1- dimethylethyl)oxy]carbonyl}-N-[3- (trifluoromethyl)phenyl]-L-lysinamide	S NH <sub>2</sub> O NH t-Bu O NH CN NH O NH O NH O NH O NH O NH O N
104	2-amino-4-(methylthio)-6-(methyl{(1S)-1-[6-(trifluoromethyl)-1H-benzimidazol-2-yl]ethyl}amino)pyrimidine-5-carbonitrile	$NC$ $N$ $NH_2$ $NC$ $N$
105	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N²-[2- (tetrahydro-2H-pyran-4-yl)ethyl]-N-[3- (trifluoromethyl)phenyl]glycinamide N 2 [2 amino 5 cyano 6- (methylthio)pyrimidin 4 yl]-N 2 [2- (tetrahydro 2H pyran 4 yl)ethyl] N [3- (trifluoromethyl)phenyl]glycinamide	$\begin{array}{c} N H_2 \\ N \\ $

	Table 1	
106	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3-{[2- (diethylamino)ethyl]amino}-5- (trifluoromethyl)phenyl]-L-alaninamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3-{[2- (diethylamino)ethyl]amino}-5- (trifluoromethyl)phenyl]-L-alaninamide	$S$ $NH_2$ $NH_$
107	2-amino-4-(methylthio)-6-({(1S)-1-[6- (trifluoromethyl)-1H-benzimidazol-2- yl]ethyl}amino)pyrimidine-5- carbonitrile	-s $N$
108	2-{2-amino-5-cyano-6-[1-(3-trifluoromethyl-phenylcarbamoyl)-1S-ethylamino]-pyrimidin-4-ylamino}-N-(3-trifluoromethyl-phenyl)-2S-propionamide	$H_2N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$ $N$
109	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N²-methyl- N-(3-methylphenyl)glycinamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-2- methyl-N-(3-methylphenyl)glycinamide	S NH <sub>2</sub> N N N N N N N N N N N N N N N N N N N
110	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N²-methyl- N-[3-(1- methylethyl)phenyl]glycinamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-2- methyl-N-[3-(1- methylethyl)phenyl]glycinamide	NH <sub>2</sub> N N N N N N N N N N N N N N N N N N N

	Table 1	
111	N <sup>2</sup> -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N <sup>5</sup> - [imino(nitroamino)methyl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-5- [imino(nitroamino)methyl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	$NH_2$
112	methyl 3-({N-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-L- alanyl}amino)-5- (trifluoromethyl)benzoate	$S$ $NH_2$ $NH_$
113	N <sup>2</sup> -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-(3- nitrophenyl)-L-alaninamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-(3- nitrophenyl)-L-alaninamide	S NH <sub>2</sub>
114	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-lysinamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-lysinamide	NH <sub>2</sub> NH <sub>2</sub> NH <sub>2</sub> NH <sub>2</sub> CF <sub>3</sub>
115	N²-[2-amino-5-cyano-6- (propyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N-2-[2-amino-5-cyano-6- (propyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alaninamide	NH <sub>2</sub> N N H O CF <sub>3</sub>
116	N²-[5-cyano-2-{[2- (methyloxy)ethyl]amino}-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N-2-[5-cyano-2-{[2- (methyloxy)ethyl]amino}-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alaninamide	HN O H CF <sub>3</sub>

Table 1		
117	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-argininamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-argininamide	NH <sub>2</sub> NH <sub>2</sub> NH <sub>2</sub> NH CF <sub>3</sub>
118	N²-[2-amino-5-cyano-6- (methylsulfinyl)pyrimidin-4-yl]-N²- methyl-N-[3-(trifluoromethyl)phenyl]-L- alaninamide N-2-[2-amino-5-cyano-6- (methylsulfinyl)pyrimidin-4-yl]-N-2- methyl-N-[3-(trifluoromethyl)phenyl]-L- alaninamide	NH <sub>2</sub> NH <sub>2</sub> NH <sub>2</sub> NH <sub>2</sub> NH <sub>2</sub> CF <sub>3</sub>
119	N²-[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-N²-methyl- N-[3-(trifluoromethyl)phenyl]-L- alaninamide N-2-[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-N-2- methyl-N-[3-(trifluoromethyl)phenyl]-L- alaninamide	NH <sub>2</sub> NH <sub>2</sub> NH <sub>2</sub> NH <sub>2</sub> CF <sub>3</sub>
120	N²-[2-amino-5-cyano-6- (propyloxy)pyrimidin-4-yl]-N²-methyl- N-[3-(trifluoromethyl)phenyl]-L- alaninamide N-2-[2-amino-5-cyano-6- (propyloxy)pyrimidin-4-yl]-N-2-methyl- N-[3-(trifluoromethyl)phenyl]-L- alaninamide	NH <sub>2</sub> NH <sub>2</sub> NH <sub>2</sub> CF <sub>3</sub>
121	N²-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N²-methyl-N- [3-(trifluoromethyl)phenyl]-L- alaninamide N-2-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-2-methyl- N-[3-(trifluoromethyl)phenyl]-L- alaninamide	NH <sub>2</sub> N N H CF <sub>3</sub>
122	N²-{2-amino-5-cyano-6-[(1-methylethyl)oxy]pyrimidin-4-yl}-N-[3-(trifluoromethyl)phenyl]-L-alaninamide N-2-{2-amino-5-cyano-6-[(1-methylethyl)oxy]pyrimidin-4-yl}-N-[3-(trifluoromethyl)phenyl]-L-alaninamide	NH <sub>2</sub> NH <sub>2</sub> NH <sub>2</sub> NH <sub>2</sub> CF <sub>3</sub>

	Table 1	
123	N <sup>5</sup> -acetyl-N <sup>2</sup> -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide N-5-acetyl-N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	S CF <sub>3</sub>
124	N <sup>2</sup> -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-(3- aminophenyl)-L-alaninamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-(3- aminophenyl)-L-alaninamide	NH <sub>2</sub> S NH <sub>2</sub> NH <sub>2</sub> NH <sub>2</sub> NH <sub>2</sub> NH <sub>2</sub>
125	3-({N-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-L- alanyl}amino)-N-[2- (dimethylamino)ethyl]-5- (trifluoromethyl)benzamide	NH <sub>2</sub> NH <sub>2</sub> NH NH NH CN CF <sub>3</sub>
126	2-(methyloxy)ethyl ((4S)-4-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]amino}-5-oxo-5-{[3-(trifluoromethyl)phenyl]amino}pentyl)c arbamate	HN CF3
127	2-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]hydrazinecarbo xamide	$ \begin{array}{c c} NH_2 \\ N \\ N \\ N \\ N \\ N \end{array} $ $ \begin{array}{c} CF_3 \\ CN \end{array} $
128	1,1-dimethylethyl ((4S)-4-{[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]amino}-5-oxo-5-{[3-(trifluoromethyl)phenyl]amino}pentyl)carbamate	NH <sub>2</sub> NH <sub>2</sub> NH <sub>2</sub> NH <sub>2</sub> NH <sub>2</sub> CF <sub>3</sub>

	Table 1	
129	N-2-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	NH <sub>2</sub> NH <sub>2</sub> NH <sub>2</sub> CF <sub>3</sub>
130	3-({N-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N- methyl-L-alanyl}amino)-N-[2- (dimethylamino)ethyl]-5- (trifluoromethyl)benzamide	$\begin{array}{c} \text{Chiral} \\ \text{CH}_{3} \\ \text{N} \\ \text{CH}_{3} \\ \text{CH}_{3} \\ \text{O} \\ \text{H}_{3} \\ \text{C} \\ \text{N} \\ \text{CH}_{3} \\ \text{O} \\ \text{H}_{3} \\ \text{C} \\ \text{C} \\ \text{H}_{3} \\ \text{C} \\ \text{C} \\ \text{H}_{3} \\ \text{C} \\ C$
131	3-({N-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-methyl- L-alanyl}amino)-N-[3-(4- methylpiperazin-1-yl)propyl]-5- (trifluoromethyl)benzamide	Chiral Chiral Chiral H <sub>2</sub> N N CF <sub>3</sub> CH <sub>3</sub> O HN O
132	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N²-methyl- N-{3-[(trifluoromethyl)oxy]phenyl}-L- alaninamide N-2[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-2 methyl-N-{3- [(trifluoromethyl)oxy]phenyl}-L- alaninamide	H <sub>2</sub> N N CH <sub>3</sub> H O F F

	Table 1	
133	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-(3- bromophenyl)-N²-methyl-L-alaninamide N-2[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-(3- bromophenyl) N-2methyl-L- alaninamide	H <sub>3</sub> C S CNCH <sub>3</sub> H Br CH <sub>3</sub> O
134	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-{2-{[2- (dimethylamino)ethyl]oxy}-5- [(trifluoromethyl)oxy]phenyl}-N²- methyl-L-alaninamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin 4-yl]-N-{2-{[2- (dimethylamino)ethyl]oxy}-5- [(trifluoromethyl)oxy]phenyl}-N-2- methyl-L-alaninamide	Chiral  N CH <sub>3</sub> CH
135	3-({N-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-methyl-L-alanyl}amino)-N-(2-morpholin-4-ylethyl)-5-(trifluoromethyl)benzamide	Chiral Chiral Chiral N CH <sub>3</sub> N CF <sub>3</sub> CN
136	N²-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N²-methyl-N- [3-(trifluoromethyl)phenyl]-L- lysinamide N-2[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-2methyl- N-[3-(trifluoromethyl)phenyl]-L- lysinamide	CH <sub>3</sub> NH <sub>2</sub> Chiral  H <sub>2</sub> N N N F F F

	Table 1	
137	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3-{[2- (dimethylamino)ethyl]oxy}-5- (trifluoromethyl)phenyl]-L-alaninamide N-2[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3-{[2- (dimethylamino)ethyl]oxy}-5- (trifluoromethyl)phenyl]-L-alaninamide	Chiral  Chiral  Chiral  Chiral  Chiral
138	(2S)-2-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]amino}-3- oxo-3-{[3- (trifluoromethyl)phenyl]amino}propyl acetate	H <sub>3</sub> C·S O CH <sub>3</sub> Chiral  H <sub>2</sub> N N N CF <sub>3</sub>
139	N <sup>2</sup> -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N <sup>1</sup> -[3- (trifluoromethyl)phenyl]-L-glutamamide N-2 [2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-1[3- (trifluoromethyl)phenyl]-L-glutamamide	H <sub>2</sub> C·S H <sub>2</sub> N O Chiral H <sub>2</sub> N N H CF <sub>3</sub>
140	2-[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]hydrazinecarbo xamide	H <sub>3</sub> C. O H H F F F F F F F F F F F F F F F F F
141	3-({N-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-L- alanyl}amino)-N-hydroxy-5- (trifluoromethyl)benzamide	S.CH <sub>3</sub> N CH <sub>3</sub> H CF <sub>3</sub> H O O

	Table 1	
142	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-3- (dimethylamino)-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N-2[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-3- (dimethylamino)-N-[3- (trifluoromethyl)phenyl]-L-alaninamide	H <sub>3</sub> C S CH <sub>3</sub> F F F F F F F F F F F F F F F F F F F
143	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-5- morpholin-4-yl-N-[3- (trifluoromethyl)phenyl]-L- norvalinamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-5- morpholin-4-yl-N-[3- (trifluoromethyl)phenyl]-L- norvalinamide	H <sub>3</sub> C. S N H F F F F F F F F F F F F F F F F F F
144	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N⁵-[2- (methyloxy)ethyl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide N-2- [2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-5[2- (methyloxy)ethyl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	S.CH3 Chiral NH H <sub>2</sub> N N N CF <sub>3</sub>
145	3-({N-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-L- alanyl}amino)-5- (trifluoromethyl)benzoic acid	S.CH <sub>3</sub> N CH <sub>3</sub> H CH <sub>3</sub> H O CF <sub>3</sub>
146	methyl N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-α- glutaminate methyl N-2~ [2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alpha- glutaminate	H <sub>3</sub> C S H <sub>3</sub> C O O Chiral  H <sub>2</sub> N N N CF <sub>3</sub>

	Table 1	
147	N <sup>5</sup> -(aminocarbonyl)-N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-  [3-(trifluoromethyl)phenyl]-L- ornithinamide N-5- (aminocarbonyl) N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]- N-[3-(trifluoromethyl)phenyl]-L- ornithinamide	SMe NH FF F H O NH O NH O NH O NH O NH O NH
148	N²-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide N-2[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	CH <sub>3</sub> NH <sub>2</sub> NH <sub>2</sub> FF F
149	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-α-glutamine N-2[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alpha- glutamine	H <sub>2</sub> C·S HO O Chiral H <sub>2</sub> N N N H O CF <sub>3</sub>
150	N²-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-serinamide N-2[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-serinamide	CH <sub>3</sub> CN OH H <sub>2</sub> N N N CF <sub>3</sub>
151	N²-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-O- (phenylmethyl)-N-[3- (trifluoromethyl)phenyl]-L-serinamide N-2[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-O- (phenylmethyl)-N-[3- (trifluoromethyl)phenyl]-L-serinamide	CH <sub>3</sub> CNOH N CF <sub>3</sub> Chiral

	Table 1	
152	N²-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-argininamide N-2[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-argininamide	CH <sub>3</sub> H <sub>2</sub> N NH Chiral NH NH Chiral
153	N <sup>2</sup> -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N <sup>2</sup> -methyl- N <sup>6</sup> -{[(phenylmethyl)oxy]carbonyl}-N- [3-(trifluoromethyl)phenyl]-L- lysinamide N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-2 methyl-N-6 {[(phenylmethyl)oxy]carbonyl}-N-[3- (trifluoromethyl)phenyl]-L-lysinamide	H <sub>3</sub> C. S H <sub>2</sub> N N N N H F F F
154	Nalpha-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-tyrosinamide	H <sub>3</sub> COOCN H Chiral
155	N <sup>5</sup> -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide N-5[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	H <sub>3</sub> C.S N H <sub>2</sub> N N N N N N N N N N N N N N N N N

	Table 1	
156	N <sup>2</sup> -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N <sup>6</sup> ,N <sup>6</sup> - dimethyl-N-[3-(trifluoromethyl)phenyl]- L-lysinamide N-2[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-6-,N-6 dimethyl-N-[3-(trifluoromethyl)phenyl]- L-lysinamide	CH <sub>3</sub> H <sub>3</sub> C. <sub>N</sub> .CH <sub>3</sub> Chiral
157	N <sup>2</sup> -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3-[(4- methylpiperazin-1-yl)carbonyl]-5- (trifluoromethyl)phenyl]-L-alaninamide N-2[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3-[(4- methylpiperazin-1-yl)carbonyl]-5- (trifluoromethyl)phenyl]-L-alaninamide	CH <sub>3</sub> Chiral  N CH <sub>3</sub> H CF <sub>3</sub> H <sub>2</sub> N N O H <sub>3</sub> C
158	3-({N-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-L- alanyl}amino)-N-(3-pyrrolidin-1- ylpropyl)-5-(trifluoromethyl)benzamide	CH <sub>3</sub> Chiral  N CH <sub>3</sub> H CF <sub>3</sub> HN O

	Table 1		
159	3-({N-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-L- alanyl}amino)-N-(2-morpholin-4- ylethyl)-5-(trifluoromethyl)benzamide	CH <sub>3</sub> Chiral  N CH <sub>3</sub> H CF <sub>3</sub> H O N C N C N C N C N C N C N C N C N C N	
160	3-({N-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-L- alanyl}amino)-N-[2- (dimethylamino)ethyl]-5- (trifluoromethyl)benzamide	CH <sub>3</sub> Chiral  N CH <sub>3</sub> H CF <sub>3</sub> HN O H <sub>3</sub> C·N·CH <sub>3</sub>	
161	3-({N-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-L- alanyl}amino)-N-[3-(4-methylpiperazin- 1-yl)propyl]-5- (trifluoromethyl)benzamide	CH <sub>3</sub> Chiral  N CH <sub>3</sub> H CF <sub>3</sub> H N CF <sub>3</sub> H N O H <sub>3</sub> C N N O H O N O N O N O N O N O N O N O N	

	Table 1	
162	N <sup>2</sup> -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N <sup>2</sup> -methyl- N <sup>6</sup> -{[(phenylmethyl)oxy]carbonyl}-N- [3-(trifluoromethyl)phenyl]-L- lysinamide N-2[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-2methyl- N-6{[(phenylmethyl)oxy]carbonyl}- N-[3-(trifluoromethyl)phenyl]-L- lysinamide	Chiral  CH <sub>3</sub> HN  CH <sub>3</sub> H <sub>2</sub> N  CH <sub>3</sub> CH <sub>3</sub> F  F
163	1,1-dimethylethyl ((4S)-4-{[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]amino}-5-oxo-5-{[3-(trifluoromethyl)phenyl]amino}pentyl)c arbamate	H <sub>3</sub> C CH <sub>3</sub> Chiral H <sub>3</sub> C CH <sub>3</sub> O NH F F F F F F F F F F F F F F F F F F
164	(2S)-2-{[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]amino}-3-oxo- 3-{[3- (trifluoromethyl)phenyl]amino}propyl acetate	CH <sub>3</sub> Chiral  Chiral  Chiral  Chiral  Chiral
165	phenylmethyl N²-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-α- glutaminate phenylmethyl N-2[2-amino-5-cyano- 6-(ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alpha- glutaminate	CH <sub>3</sub> O O CN H N CF <sub>3</sub>

	Table 1	
166	N <sup>2</sup> ,N <sup>5</sup> -diacetyl-N <sup>2</sup> -[2-(acetylamino)-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide N-2-,N-5-diacetyl-N-2[2-(acetylamino)-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide	H <sub>3</sub> C N N N CF <sub>3</sub>
167	2-(methyloxy)ethyl ((4S)-4-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]amino}-5-oxo-5-{[3-(trifluoromethyl)phenyl]amino}pentyl)c arbamate	O O O CH <sub>3</sub> <sup>Chiral</sup> NH H <sub>2</sub> N N CF <sub>3</sub>
168	N²-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-5-morpholin- 4-yl-N-[3-(trifluoromethyl)phenyl]-L- norvalinamide N-2- [2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-5-morpholin- 4-yl-N-[3-(trifluoromethyl)phenyl]-L- norvalinamide	CH <sub>3</sub> N H <sub>2</sub> N N H F F F
169	N-((4S)-4-{[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]amino}-5-oxo-5-{[3-(trifluoromethyl)phenyl]amino}pentyl)-N,N-dimethylmethanaminium	CH <sub>3</sub> CH <sub>3</sub> Chiral N.CH <sub>3</sub> FF F F
170	Methyl N²-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-α- glutaminate Methyl N-2[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alpha- glutaminate	CH <sub>3</sub> Chiral  OH <sub>3</sub> C.O O  H <sub>2</sub> N N N CF <sub>3</sub>

	Table 1	
171	N <sup>2</sup> -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N <sup>6</sup> ,N <sup>6</sup> - dimethyl-N-[3-(trifluoromethyl)phenyl]- L-lysinamide N-2[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]- N-6,N-6dimethyl-N-[3- (trifluoromethyl)phenyl]-L-lysinamide	H <sub>3</sub> C. <sub>N</sub> .CH <sub>3</sub> Chiral  S.CH <sub>3</sub> H <sub>2</sub> N H F F F F F F F F F F F F F F F F F F
172	N²-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N²-methyl-N- {3-[(trifluoromethyl)oxy]phenyl}-L- alaninamide N-2[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-2methyl- N-{3-[(trifluoromethyl)oxy]phenyl}-L- alaninamide	CH <sub>3</sub> Chiral  N CH <sub>3</sub> H  CH <sub>3</sub> N  CH <sub>3</sub> N  CH <sub>3</sub> N  F
173	N²-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-α-glutamine N-2[2-amino-5-cyano-6- (ethyloxy)pyrimidin 4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alpha- glutamine	CH <sub>3</sub> HOOO CN H <sub>2</sub> N Chiral
174	N <sup>2</sup> -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-(3- bromophenyl)-N <sup>2</sup> -methyl-L-alaninamide N-2[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-(3- bromophenyl)-N-2methyl-L- alaninamide	CH <sub>3</sub> Chiral  H <sub>2</sub> N N N N N N Br CH <sub>3</sub> O
175	N <sup>2</sup> -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N <sup>1</sup> -[3- (trifluoromethyl)phenyl]-L-glutamamide N-2[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-1[3- (trifluoromethyl)phenyl]-L-glutamamide	CH <sub>3</sub> H <sub>2</sub> N O Chiral

	Table 1		
176	N²-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-3- (dimethylamino)-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N-2[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-3- (dimethylamino)-N-[3- (trifluoromethyl)phenyl]-L-alaninamide	CH <sub>3</sub> Chiral  Chiral  Chiral  CH <sub>3</sub> CH <sub>3</sub> F F F F	
177	2-(2-amino-5-cyano-6-ethoxypyrimidin-4-ylamino)-5-hydrazinyl-5-oxo-N-(3-(trifluoromethyl)phenyl)pentanamide  '2-(2-amino-5-cyano-6-ethoxy-pyrimidin-4-ylamino)-4-hydrazinocarbonyl-N-(3-trifluoromethyl-phenyl)-butyramide	CH <sub>3</sub> ONH <sub>2</sub> Chiral	
178	N²-[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-3- (dimethylamino)-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N-2[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-3- (dimethylamino)-N-[3- (trifluoromethyl)phenyl]-L-alaninamide	H <sub>3</sub> C·O Chiral  Chiral  Chiral  Chiral	
179	N²-[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-N-[3-{[2- (dimethylamino)ethyl]oxy}-5- (trifluoromethyl)phenyl]-L-alaninamide N-2[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-N-[3-{[2- (dimethylamino)ethyl]oxy}-5- (trifluoromethyl)phenyl]-L-alaninamide	H <sub>2</sub> N N F F F F CH <sub>3</sub> N CH <sub>3</sub> CH <sub>3</sub> CH <sub>3</sub> CH <sub>3</sub>	
180	N²-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3-{[2- (dimethylamino)ethyl]oxy}-5- (trifluoromethyl)phenyl]-L-alaninamide N-2- [2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3-{[2- (dimethylamino)ethyl]oxy}-5- (trifluoromethyl)phenyl]-L-alaninamide	CH <sub>3</sub> Chiral  CH <sub>2</sub> N N F F  O N CH <sub>3</sub> CH <sub>3</sub> CH <sub>3</sub> CH <sub>3</sub>	

	Table 1		
181	N²-[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-N-(3- bromophenyl)-N²-methyl-L-alaninamide N-2- [2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-N-(3- bromophenyl) N-2-methyl L- alaninamide	H <sub>3</sub> C·OCNCH <sub>3</sub> H H <sub>2</sub> N N N N Br CH <sub>3</sub> O	
182	phenylmethyl N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-α- glutaminate phenylmethyl N-2[2-amino-5-cyano- 6-(methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alpha- glutaminate	H <sub>3</sub> C·S CN H N CF <sub>3</sub>	
183	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-O- (phenylmethyl)-N-[3- (trifluoromethyl)phenyl]-L-serinamide N~2~ [2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-O- (phenylmethyl)-N-[3- (trifluoromethyl)phenyl]-L-serinamide	H <sub>3</sub> C·S CNO H <sub>2</sub> N N N CF <sub>3</sub>	
184	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N⁵,N⁵- bis[2-(methyloxy)ethyl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide N-2[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]- N-5-,N-5bis[2-(methyloxy)ethyl]-N- [3-(trifluoromethyl)phenyl]-L- ornithinamide	S.CH <sub>3</sub> NOCH <sub>3</sub> H <sub>2</sub> N N CF <sub>3</sub>	
185	1,1-dimethylethyl ((4S)-4-{[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]amino}-5-oxo-5-{[3-(trifluoromethyl)phenyl]amino}pentyl)c arbamate	H <sub>2</sub> N N N CF <sub>3</sub>	

	Table 1	
186	N <sup>5</sup> -acetyl-N <sup>2</sup> -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide N-5acetyl-N-2[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	CH <sub>3</sub> O CH <sub>3</sub> Chiral NH H <sub>2</sub> N N N CF <sub>3</sub>
187	N <sup>5</sup> -acetyl-N <sup>2</sup> -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide N-5acetyl-N-2[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	S.CH <sub>3</sub> NH NH NH <sub>2</sub> N CF <sub>3</sub>
188	N²-[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-N²-methyl- N-{3-[(trifluoromethyl)oxy]phenyl}-L- alaninamide N-2[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-N-2 methyl-N-{3- [(trifluoromethyl)oxy]phenyl}-L- alaninamide	H <sub>2</sub> N N N N OCF <sub>3</sub>
189	methyl 3-({N-[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-L- alanyl}amino)-5- (trifluoromethyl)benzoate	H <sub>2</sub> N N N CF <sub>3</sub> H CF <sub>3</sub> H CF <sub>3</sub>

	Table 1		
190	3-({N-[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-L- alanyl}amino)-N-[2- (dimethylamino)ethyl]-5- (trifluoromethyl)benzamide	Chiral  Chiral  Chiral  Chiral  CH <sub>3</sub> H  CF <sub>3</sub> N  CH <sub>3</sub> H  CF <sub>3</sub> N  CH <sub>3</sub> N  CH <sub>3</sub>	
191	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-3- morpholin-4-yl-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N-2[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-3- morpholin-4-yl-N-[3- (trifluoromethyl)phenyl]-L-alaninamide	H <sub>3</sub> C. S O Chiral	
192	N²-[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-3- morpholin-4-yl-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N~2~ [2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]-3- morpholin-4-yl-N-[3- (trifluoromethyl)phenyl]-L-alaninamide	H <sub>3</sub> C. O N N H F F F F F F F F F F F F F F F F F	
193	N²-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-3-morpholin- 4-yl-N-[3-(trifluoromethyl)phenyl]-L- alaninamide N-2[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-3-morpholin- 4-yl-N-[3-(trifluoromethyl)phenyl]-L- alaninamide	CH <sub>3</sub> Chiral  CH <sub>3</sub> Chiral	
194	N <sup>5</sup> -(aminocarbonyl)-N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide N-5- (aminocarbonyl)-N-2-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide	ONH <sub>2</sub> Chiral  OH  OH  OH  OH  OH  OH  OH  OH  OH  O	

	Table 1	
195	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-D-lysinamide N-2[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-D-lysinamide	SMe N H F F F F F F F F F F F F F F F F F F
196	N²-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-D-lysinamide N-2[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-D-lysinamide	NH <sub>2</sub> Chiral  OEt  NH <sub>2</sub> F F  F F
197	N²-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-O-methyl-N- [3-(trifluoromethyl)phenyl]-L- serinamide N-2- [2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-O-methyl-N- [3-(trifluoromethyl)phenyl]-L- serinamide	CH <sub>3</sub>
198	N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N⁵- (methylsulfonyl)-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide N-2[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-5 (methylsulfonyl)-N-[3- (trifluoromethyl)phenyl]-L- ornithinamide	CH <sub>3</sub> Chiral O=S=O NH H <sub>2</sub> N N CF <sub>3</sub>

## 2. Please replace Table 2 with the following,

Table 2

Ctrifluoromethyl)phenyl]glycinamide	Entry	Name	p70S6K	Akt-1	PDK-1
N²-(2-amino-6-chloropyrimidin-4-yl)-N-[3-   (trifluoromethyl)phenyl]glycinamide   N-2-(2-amino-6-chloropyrimidin-4-yl)-N-[3-   (trifluoromethyl)phenyl]glycinamide   A D   D   D	1		A	D	D
2					
N-2 (2-amino-6-ehloropyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]glycinamide					
Ctrifluoromethyl)phenyl]glycinamide   Camino-6-(methylthio)pyrimidin-4-yl]methyl [3-	2	• • • • • • • • • • • • • • • • • • • •	A	D	D
3		` 10 0 / 2			
Comparison					
4   2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-[5-(trifluoromethyl)pyridin-2-yl]acetamide   N-2-[2-amino-6-(methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide   N-2-[2-amino-6-(methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide   N-2-[2-amino-6-(methylthio)pyrimidin-4-yl]oxy}-N-[3- (trifluoromethyl)phenyl]glycinamide   A D II   2-{[2-amino-6-(methylthio)pyrimidin-4-yl]thio}- N-[3-(methyloxy)phenyl]acetamide   A D II   N-[3-(methyloxy)phenyl]acetamide   N-[3-(methyloxy)phenyl]acetamide   N-[3-(methyloxy)phenyl]glycinamide   N-[3-(methyloxy)phenyl]glycinamide   N-[3-(trifluoromethyl)phenyl]glycinamide   N-[3-(trifluoromethyl)phenyl]glycinamide   N-[3-(methyloxy)pyrimidin-4-yl]thio}- N-(4-chlorophenyl)acetamide   N-[3-(trifluoromethyl)phenyl]glycinamide   N-[3-(trifluoromethyl)phen	3		A	D	
N-[5-(trifluoromethyl)pyridin-2-yl]acetamide   N-[5-(trifluoromethyl)phenyl]glycinamide   N-2-[2-amino-6-(methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide   N-2-[2-amino-6-(methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide   A D I I   Polycolor   Polyco	4				
N²-[2-amino-6-(methylthio)pyrimidin-4-yl]-N-[3-   (trifluoromethyl)phenyl]glycinamide   N-2-[2-amino-6-(methylthio)pyrimidin-4-yl]-N-[3-   (trifluoromethyl)phenyl]glycinamide   N-2-[2-amino-6-(methylthio)pyrimidin-4-yl]oxy}-N-[3-   (trifluoromethyl)phenyl]glycinamide   N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-   N- 3-(methyloxy)phenyl]acetamide   N²-(2-amino-6-morpholin-4-ylpyrimidin-4-yl)-N-[3-   (trifluoromethyl)phenyl]glycinamide   N-2-(2-amino-6-morpholin-4-ylpyrimidin-4-yl)-N-[3-   (trifluoromethyl)phenyl]glycinamide   N-2-(2-amino-6-cmorpholin-4-ylpyrimidin-4-yl]thio}-   N-(4-chlorophenyl)acetamide   10   2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-   N-(4-chlorophenyl)acetamide   11   2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-   N-(3-chlorophenyl)acetamide   N²-(2-amino-6-chloro-5-formylpyrimidin-4-yl)-N-[3-   (trifluoromethyl)phenyl]glycinamide   N-2-(2-amino-6-chloro-5-formylpyrimidin-4-yl)-N-[3-   (trifluoromethyl)phenyl]glycinamide   N-2-(2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N-   [3-(trifluoromethyl)phenyl]glycinamide   N-2-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N-   [3-(trifluoromethyl)phenyl]glycinamide   N-2-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N-   [3-(trifluoromethyl)phenyl]glycinamide   N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-   [3-(trifluoromethyl)phenyl]glycinamide   N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-   [3-(trifluoromethyl)phenyl]glycinamide   N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-   [3-(trifluoromethyl)phenyl]glycinamide	4		A	D	D
5         (trifluoromethyl)phenyl]glycinamide         A         D         I           N-2-[2-amino-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide         A         D         I           6         2-{[2-amino-6-(methylthio)pyrimidin-4-yl]oxy}-N-[3-(trifluoromethyl)phenyl]glycinamide         A         D         I           7         2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-[3-(methyloxy)phenyl]glycinamide         A         D         I           8         N-[3-(methyloxy)phenyl]glycinamide         A         A         I           8         (trifluoromethyl)phenyl]glycinamide         A         A         I           9         2-{[2-amino-6-morpholin-4-ylpyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide         A         D         I           10         2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-[3-(trifluoromethyl)phenyl]glycinamide         A         D         I           11         2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide         A         D         I           12         N-2 (2-amino-6-chloro-5-formylpyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]glycinamide         A         D         I           13         N-2 [2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide         B         D         I <tr< td=""><td></td><td></td><td></td><td></td><td></td></tr<>					
N-2- 2-amino-6-(methylthio)pyrimidin-4-yl]-N- 3- (trifluoromethyl)phenyl]glycinamide	5				
6         2-{[2-amino-6-(methylthio)pyrimidin-4-yl]oxy}-N-[3- (trifluoromethyl)phenyl]acetamide         A         D         I           7         2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-[3-(methyloxy)phenyl]acetamide         A         D         I           8         N²-(2-amino-6-morpholin-4-ylpyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]glycinamide         A         I           9         2-{[2-amino-6-morpholin-4-ylpyrimidin-4-yl]thio}- N-(4-chlorophenyl)glycinamide         A         D           10         2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-(4-chlorophenyl)glacetamide         A         D           11         2-{[2-amino-6-(1H-1,2,3-benzotriazol-1-yloxy)pyrimidin-4-yl]thio}- N-(3-chlorophenyl)phenyl]glacetamide         A         D           11         2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-(3-chlorophenyl)glacetamide         A         D           12         N²-(2-amino-5-chloro-5-formylpyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]glycinamide         A         D           12         N²-(2-amino-6-chloro-5-formylpyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]glycinamide         A         D           13         N²-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N- [3- (trifluoromethyl)phenyl]glycinamide         B         D           14         2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]oxy}-         B         D	3	N-2-[2-amino-6-(methylthio)pyrimidin-4-yl]-N-[3-	A	D	D
(trifluoromethyl)phenyl]acetamide  7					
Ctriffuoromethyl)phenyl]acetamide	6	2-{[2-amino-6-(methylthio)pyrimidin-4-yl]oxy}-N-[3-	Λ.	D.	D
N-[3-(methyloxy)phenyl]acetamide  N^2-(2-amino-6-morpholin-4-ylpyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]glycinamide N-2 (2-amino-6-morpholin-4-ylpyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]glycinamide  9 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-(4-chlorophenyl)acetamide  10 2-{[2-amino-6-(1H-1,2,3-benzotriazol-1-yloxy)pyrimidin-4-yl]thio}- A-yl]thio}-N-[3-(trifluoromethyl)phenyl]acetamide  11 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-(3-chlorophenyl)acetamide  N-2-(2-amino-6-chloro-5-formylpyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-(2-amino-6-chloro-5-formylpyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]glycinamide  N-2-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]glycinamide  N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]glycinamide  N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]glycinamide  N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]glycinamide		(trifluoromethyl)phenyl]acetamide	A		L D
N-[3-(methyloxy)phenyl]acetamide   N²-(2-amino-6-morpholin-4-ylpyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]glycinamide   N-2 (2-amino-6-morpholin-4-ylpyrimidin-4-yl) N-[3- (trifluoromethyl)phenyl]glycinamide   A   D   I	7		Δ	D	D
8			71		
N-2 (2 amino 6 -morpholin-4 ylpyrimidin-4 yl) N-[3 (trifluoromethyl)phenyl]glycinamide  9 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-(4-chlorophenyl)acetamide  10 2-{[2-amino-6-(1H-1,2,3-benzotriazol-1-yloxy)pyrimidin-4-yl]thio}- N-[3-(trifluoromethyl)phenyl]acetamide  11 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-(3-chlorophenyl)acetamide  N-2-(2-amino-6-chloro-5-formylpyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]glycinamide N-2-(2-amino-6-chloro-5 formylpyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide  14 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]oxy}- R					
N 2 (2 amino 6 morpholin 4 ylpyrimidin 4 yl) N [3 (trifluoromethyl)phenyl]glycinamide	8		A		D
9 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-(4-chlorophenyl)acetamide  10 2-{[2-amino-6-(1H-1,2,3-benzotriazol-1-yloxy)pyrimidin- 4-yl]thio}-N-[3-(trifluoromethyl)phenyl]acetamide  11 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-(3-chlorophenyl)acetamide  12 N-(2-amino-6-chloro-5-formylpyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-(2-amino-6-chloro-5-formylpyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]glycinamide					
N-(4-chlorophenyl)acetamide  10					
10	9		A	D	D
10 4-yl]thio}-N-[3-(trifluoromethyl)phenyl]acetamide  11 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-(3-chlorophenyl)acetamide  12 N²-(2-amino-6-chloro-5-formylpyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-(2-amino-6-chloro-5-formylpyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]glycinamide  N²-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]glycinamide  14 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]oxy}-  R D II					
11	10		A	D	D
N-(3-chlorophenyl)acetamide  N-(3-chlorophenyl)acetamide  N-(2-amino-6-chloro-5-formylpyrimidin-4-yl)-N-[3-  (trifluoromethyl)phenyl]glycinamide  N-2 (2-amino-6-chloro-5-formylpyrimidin-4-yl) N-[3-  (trifluoromethyl)phenyl]glycinamide  N-2-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N-  [3-(trifluoromethyl)phenyl]glycinamide  N-2-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N-  [3-(trifluoromethyl)phenyl]glycinamide  14 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]oxy}-  R D I					
12 N²-(2-amino-6-chloro-5-formylpyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]glycinamide N-2 (2-amino-6-chloro-5-formylpyrimidin-4-yl) N-[3- (trifluoromethyl)phenyl]glycinamide  N²-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]glycinamide  14 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]oxy}-  R D II	11		A	D	
12					
N-2 (2-amino-6-chloro-5-formylpyrimidin-4-yl) N-[3-(trifluoromethyl)phenyl]glycinamide  N²-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]glycinamide N-2 [2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]glycinamide  14 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]oxy}-  R D I					
(trifluoromethyl)phenyl]glycinamide  N²-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N-  [3-(trifluoromethyl)phenyl]glycinamide  N-2-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N-  [3-(trifluoromethyl)phenyl]glycinamide  14 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]oxy}-  B D I	12		A	D	D
N <sup>2</sup> -[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N-  [3-(trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N-  [3-(trifluoromethyl)phenyl]glycinamide  2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]oxy}-  B D I		• 10			
13 [3-(trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]glycinamide  14 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]oxy}-  B D I					
N-2-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N-  [3-(trifluoromethyl)phenyl]glycinamide  2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]oxy}-  B D I					
[3-(trifluoromethyl)phenyl]glycinamide  2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]oxy}-  B D	13		В	D	D
2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]oxy}-					
			_	_	_
	14		В	D	D
2-[(2-amino-6-chloropyrimidin-4-yl)thio]-N-[3-	1.5				
15   2-[(2-ammo-o-emoropyrimam-4-yr)tinoj-iv-[3-] B D   D	15		B	D	

Table 2

Entry	Name	p70S6K	Akt-1	PDK-1
16	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-	В	D	D
17	N-methyl-N-[3-(trifluoromethyl)phenyl]acetamide  N²-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-N-[3-  (trifluoromethyl)phenyl]glycinamide  N-2-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-N-[3-  (trifluoromethyl)phenyl]glycinamide	В	D	D
18	N <sup>2</sup> -[4-(dimethylamino)-6-(methylthio)-1,3,5-triazin-2-yl]- N-[3-(trifluoromethyl)phenyl]glycinamide N-2-[4-(dimethylamino)-6-(methylthio)-1,3,5-triazin-2-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide	В	D	D
19	N <sup>2</sup> -[4-(methylamino)-6-(methylthio)-1,3,5-triazin-2-yl]-N- [3-(trifluoromethyl)phenyl]glycinamide N-2-[4-(methylamino)-6-(methylthio)-1,3,5-triazin-2-yl]- N-[3-(trifluoromethyl)phenyl]glycinamide	В	D	
20	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-cyano-6 (methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]glycinamide	В	D	D
21	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-[3-(trifluoromethyl)phenyl]acetamide	A	D	D
22	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-[3-(butyloxy)phenyl]acetamide	A	D	D
23	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-1,3-benzothiazol-2-ylacetamide	A	D	
24	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-(5-ethyl-1,3,4-thiadiazol-2-yl)acetamide	A	D	D
25	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-(4-methyl-1,3-thiazol-2-yl)acetamide	A	D	D
26	2-amino-4-{[2-(3,5-dimethyl-1H-pyrazol-1-yl)-2-oxoethyl]thio}-6-(methylthio)pyrimidine-5-carbonitrile	A	D	D
27	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-1,3-thiazol-2-ylacetamide	A	D	D
28	ethyl 5-[({[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}acetyl)amino]-4-cyano-3-methylthiophene-2-carboxylate	A	D	D
29	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-pyridin-2-ylacetamide	A	D	D
30	2-amino-4-({2-[2,5-bis(methyloxy)phenyl]-2-oxoethyl}thio)-6-(methylthio)pyrimidine-5-carbonitrile	A	D	D
31	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-[4-fluoro-3-(trifluoromethyl)phenyl]acetamide	A	D	D
32	2-[(2,6-diaminopyrimidin-4-yl)thio]-N-[4-fluoro-3- (trifluoromethyl)phenyl]acetamide	A	D	D

Table 2

Entry	Name	p70S6K	Akt-1	PDK-1
33	2-[(2,6-diaminopyrimidin-4-yl)thio]-N-[3- (trifluoromethyl)phenyl]acetamide	A	D	D
34	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-[4-chloro-3-(trifluoromethyl)phenyl]acetamide	A	D	D
35	2-amino-4-(methylthio)-6-({2-oxo-1-[3- (trifluoromethyl)phenyl]pyrrolidin-3-yl}thio)pyrimidine-5- carbonitrile	A	D	D
36	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-[6-(trifluoromethyl)pyridin-2-yl]acetamide	A	D	D
37	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}- N-[4-(trifluoromethyl)pyridin-2-yl]acetamide	A	D	D
38	{6-(methylthio)-2-[(phenylmethyl)amino]pyrimidin-4-yl}methyl [3-(trifluoromethyl)phenyl]carbamate	A	D	D
39	[6-(methylamino)-2-(methylthio)pyrimidin-4-yl]methyl [3- (trifluoromethyl)phenyl]carbamate	A	D	D
40	{2-(methylthio)-6-[(phenylmethyl)amino]pyrimidin-4-yl}methyl [3-(trifluoromethyl)phenyl]carbamate	A	D	D
41	2-{[2-(acetylamino)-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-[3-(trifluoromethyl)phenyl]acetamide	В		
42	(2S)-2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]oxy}-N-[3-(trifluoromethyl)phenyl]propanamide	В		
43	2-[(2-amino-6-chloro-5-formylpyrimidin-4-yl)thio]-N-[3- (trifluoromethyl)phenyl]acetamide	В	D	
[[44]]	N-2-[2-amino-5-(hydroxymethyl)-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide	[[B]]	[[D]]	[[D]]
45	2-{[2-amino-5-formyl-6-(methylamino)pyrimidin-4-yl]thio}-N-[3-(trifluoromethyl)phenyl]acetamide	В		
46	2-{[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]oxy}- N-[3-(trifluoromethyl)phenyl]acetamide	В		
47	2-{[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]oxy}-N-[3- (trifluoromethyl)phenyl]acetamide	В		
48	2-{[2-amino-6-(methylthio)pyrimidin-4-yl]thio}-N-[3- (trifluoromethyl)phenyl]acetamide	В		
49	2-amino-4-(methylthio)-6-{[2-oxo-2-(3-oxo-3,4-dihydro-2H-1,4-benzoxazin-6-yl)ethyl]thio}pyrimidine-5-carbonitrile	В	D	D
50	2-[(2-amino-6-chloro-5-formylpyrimidin-4-yl)oxy]-N-[3- (trifluoromethyl)phenyl]acetamide	В		
51	2-{[2-amino-5-formyl-6-(phenylthio)pyrimidin-4-yl]thio}- N-[3-(trifluoromethyl)phenyl]acetamide	В		

Table 2

Entry	Name	p70S6K	Akt-1	PDK-1
52	2-{[2-amino-5-(hydroxymethyl)-6-(phenylthio)pyrimidin-	В		
	4-yl]thio}-N-[3-(trifluoromethyl)phenyl]acetamide			
53	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-	C		
	N-[2-methyl-3-(trifluoromethyl)phenyl]acetamide			
54	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-	C		
	N-[2-(methyloxy)-5-(trifluoromethyl)phenyl]acetamide			
55	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-	C		
	N-[2-chloro-5-(trifluoromethyl)phenyl]acetamide			
56	2-{[2-amino-5-(hydroxymethyl)-6-(methylthio)pyrimidin-	С		
	4-yl]oxy}-N-[3-(trifluoromethyl)phenyl]acetamide			
	N <sup>2</sup> -(6-amino-1H-pyrazolo[3,4-d]pyrimidin-4-yl)-N-[3-			
57	(trifluoromethyl)phenyl]glycinamide N-2-(6-amino-1H-pyrazolo[3,4-d]pyrimidin-4-yl)-N-[3-	C		
	\ 10 2/310			
	(trifluoromethyl)phenyl]glycinamide N <sup>2</sup> -[2-amino-5-[(E)-hydrazonomethyl]-6-			
	(methylthio)pyrimidin-4-yl]-N-[3-			
	(trifluoromethyl)phenyl]glycinamide			
58	N-2-[2-amino-5-[(E)-hydrazonomethyl]-6-	C		
	(methylthio)pyrimidin 4-yl] N-[3-			
	(trifluoromethyl)phenyl]glycinamide			
	$N^2$ -[2-amino-5-[(E)-(hydroxyimino)methyl]-6-			
	(methylthio)pyrimidin-4-yl]-N-[3-			
	(trifluoromethyl)phenyl]glycinamide			
59	N-2-[2-amino-5-[(E)-(hydroxyimino)methyl]-6-	C		
	(methylthio)pyrimidin 4-yl]-N-[3-			
	(trifluoromethyl)phenyl]glycinamide			
	$N^2$ -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-			
	(trifluoromethyl)phenyl]-L-alaninamide			
60	N-2-[2-amino-5-cyano-6 (methylthio)pyrimidin-4-yl]-N-	C		
	<del>[3-(trifluoromethyl)phenyl] L-alaninamide</del>			
<u> </u>	2-{[2-amino-5-cyano-6-(methylamino)pyrimidin-4-			
61	yl]thio}-N-[3-(trifluoromethyl)phenyl]acetamide	C		
(2	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-			
62	N-[2-amino-5-(trifluoromethyl)phenyl]acetamide	C		
(2	2-amino-4-(methylthio)-6-({[6-(trifluoromethyl)-1H-			
63	benzimidazol-2-yl]methyl}thio)pyrimidine-5-carbonitrile	C		
6.1	2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-			
64	(trifluoromethyl)phenyl]hydrazinecarboxamide	C		
	N <sup>2</sup> -[5-cyano-2-(methylamino)-6-(methylthio)pyrimidin-4-			
65	yl]-N-[3-(trifluoromethyl)phenyl]glycinamide	C		
63	N-2-[5-cyano-2-(methylamino)-6-(methylthio)pyrimidin-			
	4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide			

Table 2

Entry	Name	p70S6K	Akt-1	PDK-1
66	2-{[2-amino-5-cyano-6-(dimethylamino)pyrimidin-4-	<u> </u>		
66	yl]thio}-N-[3-(trifluoromethyl)phenyl]acetamide	C		
67	(S)-1-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-	С		
07	[3-(trifluoromethyl)phenyl]prolinamide			
68	(2R)-2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-	C		
00	yl]oxy}-N-[3-(trifluoromethyl)phenyl]propanamide			
69	1-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]oxy}-	С		
09	N-[3-(trifluoromethyl)phenyl]cyclopropanecarboxamide			
	(2S)-2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-			
70	yl]oxy}-3-methyl-N-[3-	D		
	(trifluoromethyl)phenyl]butanamide			
	N <sup>2</sup> -[5-cyano-2-(dimethylamino)-6-(methylthio)pyrimidin-			
	4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide			
71	N-2-[5-cyano-2-(dimethylamino)-6-	D		
	(methylthio)pyrimidin-4-yl]-N-[3-			
	(trifluoromethyl)phenyl]glycinamide			
	$N^2$ -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]- $N^2$ -			
72	methyl-N-[3-(trifluoromethyl)phenyl]glycinamide	D		
72	N-2-[2-amino-5-cyano-6 (methylthio)pyrimidin-4-yl]-N-2-			
	methyl-N-[3-(trifluoromethyl)phenyl]glycinamide			
	1-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-			
73	yl]amino}-N-[3-	D		
	(trifluoromethyl)phenyl]cyclopropanecarboxamide			
	N <sup>2</sup> -[2-amino-5-cyano-6-(methylsulfinyl)pyrimidin-4-yl]-			
74	N-[3-(trifluoromethyl)phenyl]-L-alaninamide			
/4	N-2-[2-amino-5-cyano-6-(methylsulfinyl)pyrimidin-4-yl]	D		
	N-[3-(trifluoromethyl)phenyl]-L-alaninamide			
	N <sup>2</sup> -[2-amino-5-cyano-6-(methylsulfonyl)pyrimidin-4-yl]-			
75	N-[3-(trifluoromethyl)phenyl]-L-alaninamide			
75	N-2 [2-amino-5 cyano-6 (methylsulfonyl)pyrimidin-4-yl]-	D		
	N-[3-(trifluoromethyl)phenyl]-L-alaninamide			
	$N^2$ -(5-cyano-2-morpholin-4-ylpyrimidin-4-yl)-N-[3-			
76	(trifluoromethyl)phenyl]glycinamide			
/6	N-2-(5-cyano-2-morpholin-4-ylpyrimidin-4-yl)-N-[3-	D		
	(trifluoromethyl)phenyl]glycinamide			
77	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-	D		
	N-[3,5-bis(trifluoromethyl)phenyl]acetamide	D		
	N <sup>2</sup> -[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-N-[3-			
79	(trifluoromethyl)phenyl]-L-alaninamide	D		
78	N-2-[2-amino-5-cyano-6 (methyloxy)pyrimidin-4-yl]-N-	ע		
	[3-(trifluoromethyl)phenyl]-L-alaninamide			

Table 2

Entry	Name	p70S6K	Akt-1	PDK-1
79	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[2- (methyloxy)-5-(trifluoromethyl)phenyl]-L-alaninamide N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N- [2-(methyloxy)-5-(trifluoromethyl)phenyl]-L-alaninamide	D		
80	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[2-chloro-5-(trifluoromethyl)phenyl]-L-alaninamide N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[2-chloro-5-(trifluoromethyl)phenyl]-L-alaninamide	D		
81	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-2- methyl-N-[3-(trifluoromethyl)phenyl]alaninamide N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-2- methyl-N-[3-(trifluoromethyl)phenyl]alaninamide	D		
82	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-{3- [(4-methylpiperazin-1-yl)carbonyl]phenyl}-L-alaninamide N-2-[2-amino-5-cyano-6 (methylthio)pyrimidin-4-yl]-N- {3-[(4-methylpiperazin-1-yl)carbonyl]phenyl}-L- alaninamide	D		
83	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-D-alaninamide N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]-D-alaninamide	D		
84	2-[(2-amino-5-cyano-6-morpholin-4-ylpyrimidin-4-yl)thio]-N-[3-(trifluoromethyl)phenyl]acetamide	D		
85	(R)-1-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]prolinamide	D		
86	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-ornithinamide N-2-[2-amino-5-cyano-6 (methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]-L-ornithinamide	D		
87	N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N²-  [2-(dimethylamino)ethyl]-N-[3- (trifluoromethyl)phenyl]glycinamide  N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-2- [2-(dimethylamino)ethyl]-N-[3- (trifluoromethyl)phenyl]glycinamide	D		
88	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N-2-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alaninamide	D		
89	N <sup>2</sup> -(2,6-diamino-5-cyanopyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N-2-(2,6-diamino-5-cyanopyrimidin-4-yl) N-[3- (trifluoromethyl)phenyl]-L-alaninamide	D		

Table 2

Entry	Name	p70S6K	Akt-1	PDK-1
90	N <sup>2</sup> -(2-amino-5-cyanopyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N-2-(2-amino-5-cyanopyrimidin-4-yl) N-[3- (trifluoromethyl)phenyl]-L-alaninamide	D		
91	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-2-methyl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-2-methyl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide	D		
92	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-(3- {[2-(diethylamino)ethyl]oxy}phenyl)-L-alaninamide N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N- (3-{[2-(diethylamino)ethyl]oxy}phenyl)-L-alaninamide	D		
93	2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-1,2- dimethyl-N-[3- (trifluoromethyl)phenyl]hydrazinecarboxamide	D		
94	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-amino-5-(trifluoromethyl)phenyl]-L-alaninamide N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N- [3-amino-5-(trifluoromethyl)phenyl]-L-alaninamide	D		
95	ethyl [1-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]- 2-({[3- (trifluoromethyl)phenyl]amino}carbonyl)hydrazino]acetate	D		
96	2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-2- methyl-N-[3- (trifluoromethyl)phenyl]hydrazinecarboxamide	D		
97	3,5-diamino-4,6-dimethyl-N-[3- (trifluoromethyl)phenyl]furo[2,3-b]pyridine-2- carboxamide	D		
98	3-amino-4,6-dimethyl-5-nitro-N-[3- (trifluoromethyl)phenyl]furo[2,3-b]pyridine-2- carboxamide	D		
99	N <sup>2</sup> -(2-amino-5-cyano-6-hydroxypyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N-2-(2-amino-5-cyano-6-hydroxypyrimidin-4-yl) N-[3- (trifluoromethyl)phenyl] L-alaninamide	D		
100	N <sup>2</sup> -[5-cyano-2-(methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-[5-cyano-2-(methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]glycinamide	D	D	

Table 2

Entry	Name	p70S6K	Akt-1	PDK-1
101	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N <sup>2</sup> - (tetrahydro-2H-pyran-4-ylmethyl)-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-2- (tetrahydro-2H-pyran-4-ylmethyl)-N-[3- (trifluoromethyl)phenyl]glycinamide	D	D	
102	N <sup>2</sup> -(2-amino-5-cyano-6-{[2- (dimethylamino)ethyl]oxy}pyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N-2-(2-amino-5-cyano-6-{[2- (dimethylamino)ethyl]oxy}pyrimidin-4-yl)-N-[3- (trifluoromethyl)phenyl]-L-alaninamide	D		
103	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N <sup>6</sup> -  {[(1,1-dimethylethyl)oxy]carbonyl}-N-[3- (trifluoromethyl)phenyl]-L-lysinamide  N-2 [2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-6- {[(1,1-dimethylethyl)oxy]carbonyl}-N-[3- (trifluoromethyl)phenyl]-L-lysinamide	D		
104	2-amino-4-(methylthio)-6-(methyl{(1S)-1-[6- (trifluoromethyl)-1H-benzimidazol-2- yl]ethyl}amino)pyrimidine-5-carbonitrile	D		
105	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N <sup>2</sup> - [2-(tetrahydro-2H-pyran-4-yl)ethyl]-N-[3- (trifluoromethyl)phenyl]glycinamide N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-2- [2-(tetrahydro-2H-pyran-4-yl)ethyl]-N-[3- (trifluoromethyl)phenyl]glycinamide	D		
106	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3- {[2-(diethylamino)ethyl]amino}-5- (trifluoromethyl)phenyl]-L-alaninamide N-2-[2-amino-5-cyano-6 (methylthio)pyrimidin-4-yl]-N- [3-{[2-(diethylamino)ethyl]amino}-5- (trifluoromethyl)phenyl]-L-alaninamide	D		
107	2-amino-4-(methylthio)-6-({(1S)-1-[6-(trifluoromethyl)-1H-benzimidazol-2-yl]ethyl}amino)pyrimidine-5-carbonitrile	D		
108	2-{2-amino-5-cyano-6-[1-(3-trifluoromethyl-phenylcarbamoyl)-1S-ethylamino]-pyrimidin-4-ylamino}-N-(3-trifluoromethyl-phenyl)-2S-propionamide	D		
109	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N <sup>2</sup> - methyl-N-(3-methylphenyl)glycinamide N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-2- methyl-N-(3-methylphenyl)glycinamide	D		

Table 2

Entry	Name	p70S6K	Akt-1	PDK-1
110	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N <sup>2</sup> - methyl-N-[3-(1-methylethyl)phenyl]glycinamide N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-2- methyl-N-[3-(1-methylethyl)phenyl]glycinamide	D		
111	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N <sup>5</sup> - [imino(nitroamino)methyl]-N-[3-(trifluoromethyl)phenyl]-  L-ornithinamide  N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-5- [imino(nitroamino)methyl]-N-[3-(trifluoromethyl)phenyl]-  L-ornithinamide	D		
112	methyl 3-({N-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-L-alanyl}amino)-5-(trifluoromethyl)benzoate	D	D	
113	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-(3-nitrophenyl)-L-alaninamide N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-(3-nitrophenyl)-L-alaninamide	D		
114	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-lysinamide N-2-[2-amino-5-cyano-6 (methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]-L-lysinamide	D		
115	N <sup>2</sup> -[2-amino-5-cyano-6-(propyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N-2-[2-amino-5-cyano-6-(propyloxy)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]-L-alaninamide	В		
116	N <sup>2</sup> -[5-cyano-2-{[2-(methyloxy)ethyl]amino}-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alaninamide N-2-[5-cyano-2-{[2-(methyloxy)ethyl]amino}-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alaninamide	D		
117	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-argininamide N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]-L-argininamide	D		
118	N <sup>2</sup> -[2-amino-5-cyano-6-(methylsulfinyl)pyrimidin-4-yl]-N <sup>2</sup> -methyl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide N-2-[2-amino-5-cyano-6-(methylsulfinyl)pyrimidin-4-yl]-N-2-methyl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide	D		
119	N <sup>2</sup> -[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-N <sup>2</sup> - methyl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide N-2-[2 amino-5-cyano-6 (methyloxy)pyrimidin-4-yl]-N-2- methyl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide	D		

Table 2

Entry	Name	p70S6K	Akt-1	PDK-1
120	N <sup>2</sup> -[2-amino-5-cyano-6-(propyloxy)pyrimidin-4-yl]-N <sup>2</sup> - methyl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide N-2-[2-amino-5-cyano-6-(propyloxy)pyrimidin-4-yl]-N-2- methyl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide	D		
121	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N <sup>2</sup> - methyl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide N-2-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-2- methyl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide	D		
122	N <sup>2</sup> -{2-amino-5-cyano-6-[(1-methylethyl)oxy]pyrimidin-4-yl}-N-[3-(trifluoromethyl)phenyl]-L-alaninamide N-2-{2-amino-5-cyano-6-[(1-methylethyl)oxy]pyrimidin-4-yl}-N-[3-(trifluoromethyl)phenyl]-L-alaninamide	D		
123	N <sup>5</sup> -acetyl-N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin- 4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide N-5-acetyl-N-2-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-ornithinamide	D		
124	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-(3-aminophenyl)-L-alaninamide N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-(3-aminophenyl)-L-alaninamide	D		
125	3-({N-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-L-alanyl}amino)-N-[2-(dimethylamino)ethyl]-5-(trifluoromethyl)benzamide	D		
126	2-(methyloxy)ethyl ((4S)-4-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]amino}-5-oxo-5-{[3- (trifluoromethyl)phenyl]amino}pentyl)carbamate	D		
127	2-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]hydrazinecarboxamide	D		
128	1,1-dimethylethyl ((4S)-4-{[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]amino}-5-oxo-5-{[3- (trifluoromethyl)phenyl]amino}pentyl)carbamate	D		
129	N-2-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-ornithinamide	D	D	D
130	3-({N-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-methyl-L-alanyl}amino)-N-[2-(dimethylamino)ethyl]-5-(trifluoromethyl)benzamide	A	D	D
131	3-({N-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-methyl-L-alanyl}amino)-N-[3-(4-methylpiperazin-1-yl)propyl]-5-(trifluoromethyl)benzamide	A	D	D

Table 2

Entry	Name	p70S6K	Akt-1	PDK-1
132	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N <sup>2</sup> - methyl-N-{3-[(trifluoromethyl)oxy]phenyl}-L- alaninamide N-2[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]- N-2methyl-N-{3-[(trifluoromethyl)oxy]phenyl}-L- alaninamide	A	D	D
133	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-(3-bromophenyl)-N <sup>2</sup> -methyl-L-alaninamide N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl] N-(3-bromophenyl)-N-2-methyl-L-alaninamide	A	D	D
134	N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-{2- {[2-(dimethylamino)ethyl]oxy}-5- [(trifluoromethyl)oxy]phenyl}-N²-methyl-L-alaninamide N-2- [2 amino 5 cyano 6 (methylthio)pyrimidin 4-yl] N- {2-{[2-(dimethylamino)ethyl]oxy}-5- [(trifluoromethyl)oxy]phenyl}-N-2-methyl-L- alaninamide	A	D	D
135	3-({N-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-methyl-L-alanyl}amino)-N-(2-morpholin-4-ylethyl)-5-(trifluoromethyl)benzamide	A	D	D
136	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N <sup>2</sup> - methyl-N-[3-(trifluoromethyl)phenyl]-L-lysinamide N-2[2-amino-5-cyano-6 (ethyloxy)pyrimidin-4-yl]- N-2methyl-N-[3-(trifluoromethyl)phenyl]-L-lysinamide	A	D	D
137	N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3- {[2-(dimethylamino)ethyl]oxy}-5- (trifluoromethyl)phenyl]-L-alaninamide N-2[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N- [3-{[2-(dimethylamino)ethyl]oxy}-5- (trifluoromethyl)phenyl]-L-alaninamide	A	D	D
138	(2S)-2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]amino}-3-oxo-3-{[3-(trifluoromethyl)phenyl]amino}propyl acetate	В	D	D
139	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N <sup>1</sup> - [3-(trifluoromethyl)phenyl]-L-glutamamide N-2[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]- N-1[3-(trifluoromethyl)phenyl]-L-glutamamide	В		
140	2-[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]hydrazinecarboxamide	В	D	D
141	3-({N-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-L-alanyl}amino)-N-hydroxy-5-(trifluoromethyl)benzamide	В	D	D

Table 2

Entry	Name	p70S6K	Akt-1	PDK-1
142	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-3- (dimethylamino)-N-[3-(trifluoromethyl)phenyl]-L- alaninamide N-2[2-amino-5-cyano-6 (methylthio)pyrimidin-4-yl]-3- (dimethylamino)-N-[3-(trifluoromethyl)phenyl]-L- alaninamide	В	D	D
143	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-5- morpholin-4-yl-N-[3-(trifluoromethyl)phenyl]-L- norvalinamide N-2- [2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-5- morpholin-4-yl-N-[3-(trifluoromethyl)phenyl]-L- norvalinamide	В		
144	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N <sup>5</sup> - [2-(methyloxy)ethyl]-N-[3-(trifluoromethyl)phenyl]-L- ornithinamide N-2[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]- N-5[2-(methyloxy)ethyl]-N-[3- (trifluoromethyl)phenyl]-L-ornithinamide	С		
145	3-({N-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-L-alanyl}amino)-5-(trifluoromethyl)benzoic acid	С		
146	methyl N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-α-glutaminate methyl N-2- [2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alpha-glutaminate	C		
147	N <sup>5</sup> -(aminocarbonyl)-N <sup>2</sup> -[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-ornithinamide N-5(aminocarbonyl)-N-2[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-ornithinamide	С	D	
148	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-ornithinamide N-2- [2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]-L-ornithinamide	С	D	
149	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-α-glutamine N-2- [2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]-L-alpha-glutamine	C		
150	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-serinamide N-2- [2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]-L-serinamide	С		

Table 2

Entry	Name	p70S6K	Akt-1	PDK-1
151	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-O- (phenylmethyl)-N-[3-(trifluoromethyl)phenyl]-L- serinamide  N~2~ [2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-O- (phenylmethyl)-N-[3-(trifluoromethyl)phenyl]-L- serinamide	D		
152	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-argininamide N-2[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]-L-argininamide	D		
153	N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N²- methyl-N <sup>6</sup> -{[(phenylmethyl)oxy]carbonyl}-N-[3- (trifluoromethyl)phenyl]-L-lysinamide N~2~ [2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]- N-2~ methyl-N-6~ {[(phenylmethyl)oxy]carbonyl}-N-[3- (trifluoromethyl)phenyl]-L-lysinamide	D		
154	Nalpha-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]-L-tyrosinamide	D		
155	N <sup>5</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-ornithinamide N-5 [2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]-L-ornithinamide	D		
156	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N <sup>6</sup> ,N <sup>6</sup> -dimethyl-N-[3-(trifluoromethyl)phenyl]-L-lysinamide N-2[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]- N-6,N-6dimethyl-N-[3-(trifluoromethyl)phenyl]-L-lysinamide	D		
157	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3- [(4-methylpiperazin-1-yl)carbonyl]-5- (trifluoromethyl)phenyl]-L-alaninamide N-2- [2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N- [3-[(4-methylpiperazin-1-yl)carbonyl]-5- (trifluoromethyl)phenyl]-L-alaninamide	D		
158	3-({N-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-L- alanyl}amino)-N-(3-pyrrolidin-1-ylpropyl)-5- (trifluoromethyl)benzamide	D		
159	3-({N-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-L-alanyl}amino)-N-(2-morpholin-4-ylethyl)-5-(trifluoromethyl)benzamide	D		
160	3-({N-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-L-alanyl}amino)-N-[2-(dimethylamino)ethyl]-5-(trifluoromethyl)benzamide	D	D	

Table 2

Entry	Name	p70S6K	Akt-1	PDK-1
161	3-({N-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-L-alanyl}amino)-N-[3-(4-methylpiperazin-1-yl)propyl]-5-(trifluoromethyl)benzamide	D		
162	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N <sup>2</sup> - methyl-N <sup>6</sup> -{[(phenylmethyl)oxy]carbonyl}-N-[3- (trifluoromethyl)phenyl]-L-lysinamide N-2[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]- N-2methyl-N-6{[(phenylmethyl)oxy]carbonyl}-N-[3- (trifluoromethyl)phenyl]-L-lysinamide	D		
163	1,1-dimethylethyl ((4S)-4-{[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]amino}-5-oxo-5-{[3- (trifluoromethyl)phenyl]amino}pentyl)carbamate	D		
164	(2S)-2-{[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]amino}-3-oxo-3-{[3-(trifluoromethyl)phenyl]amino}propyl acetate	D		
165	phenylmethyl N²-[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]- L-α-glutaminate phenylmethyl N-2[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]- L-alpha-glutaminate	D		
166	N <sup>2</sup> ,N <sup>5</sup> -diacetyl-N <sup>2</sup> -[2-(acetylamino)-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-ornithinamide N-2-,N-5diacetyl-N-2-[2 (acetylamino)-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-ornithinamide	D		
167	2-(methyloxy)ethyl ((4S)-4-{[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]amino}-5-oxo-5-{[3- (trifluoromethyl)phenyl]amino}pentyl)carbamate	D		
168	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-5- morpholin-4-yl-N-[3-(trifluoromethyl)phenyl]-L- norvalinamide N- 2[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-5- morpholin-4-yl-N-[3-(trifluoromethyl)phenyl]-L- norvalinamide	D		
169	N-((4S)-4-{[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]amino}-5-oxo-5-{[3-(trifluoromethyl)phenyl]amino}pentyl)-N,N-dimethylmethanaminium	D		

Table 2

Entry	Name	p70S6K	Akt-1	PDK-1
170	Methyl N²-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]- N-[3-(trifluoromethyl)phenyl]-L-α-glutaminate Methyl N- 2[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alpha-glutaminate	D		
171	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]- N <sup>6</sup> ,N <sup>6</sup> -dimethyl-N-[3-(trifluoromethyl)phenyl]-L- lysinamide N-2[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]- N-6-,N-6dimethyl-N-[3-(trifluoromethyl)phenyl]-L- lysinamide	D		
172	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N <sup>2</sup> - methyl-N-{3-[(trifluoromethyl)oxy]phenyl}-L- alaninamide N-2[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]- N-2methyl-N-{3-[(trifluoromethyl)oxy]phenyl}-L- alaninamide	D	D	
173	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-α-glutamine N-2[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]-L-alpha-glutamine	D		
174	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-(3-bromophenyl)-N <sup>2</sup> -methyl-L-alaninamide N-2-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-(3-bromophenyl)-N-2-methyl-L-alaninamide	D		
175	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N <sup>1</sup> -[3- (trifluoromethyl)phenyl]-L-glutamamide N-2[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]- N-1[3-(trifluoromethyl)phenyl]-L-glutamamide	D		
176	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-3- (dimethylamino)-N-[3-(trifluoromethyl)phenyl]-L- alaninamide N-2[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-3- (dimethylamino) N-[3-(trifluoromethyl)phenyl] L- alaninamide	D		
177	2-(2-amino-5-cyano-6-ethoxypyrimidin-4-ylamino)-5- hydrazinyl-5-oxo-N-(3- (trifluoromethyl)phenyl)pentanamide Structure possibly contains amino acid derivative which is not supported in current version!	D		

Table 2

Entry	Name	p70S6K	Akt-1	PDK-1
178	N <sup>2</sup> -[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-3- (dimethylamino)-N-[3-(trifluoromethyl)phenyl]-L- alaninamide N-2[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-3- (dimethylamino)-N-[3-(trifluoromethyl)phenyl]-L- alaninamide	D		
179	N <sup>2</sup> -[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-N-[3- {[2-(dimethylamino)ethyl]oxy}-5- (trifluoromethyl)phenyl]-L-alaninamide N-2[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-N- [3-{[2-(dimethylamino)ethyl]oxy}-5- (trifluoromethyl)phenyl]-L-alaninamide	D		
180	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3- {[2-(dimethylamino)ethyl]oxy}-5- (trifluoromethyl)phenyl]-L-alaninamide N-2[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N- [3-{[2-(dimethylamino)ethyl]oxy}-5- (trifluoromethyl)phenyl]-L-alaninamide	D		
181	N <sup>2</sup> -[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-N-(3-bromophenyl)-N <sup>2</sup> -methyl-L-alaninamide N-2-[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-N-(3-bromophenyl)-N-2-methyl-L-alaninamide	D		
182	phenylmethyl N²-[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-α-glutaminate phenylmethyl N-2[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-alpha-glutaminate	D		
183	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-O- (phenylmethyl)-N-[3-(trifluoromethyl)phenyl]-L- serinamide N-2[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-O- (phenylmethyl)-N-[3-(trifluoromethyl)phenyl]-L- serinamide	D		
184	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]- N <sup>5</sup> ,N <sup>5</sup> -bis[2-(methyloxy)ethyl]-N-[3- (trifluoromethyl)phenyl]-L-ornithinamide N-2[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]- N-5-,N-5bis[2-(methyloxy)ethyl]-N-[3- (trifluoromethyl)phenyl]-L-ornithinamide	D		
185	1,1-dimethylethyl ((4S)-4-{[2-amino-5-cyano-6- (methyloxy)pyrimidin-4-yl]amino}-5-oxo-5-{[3- (trifluoromethyl)phenyl]amino}pentyl)carbamate	D		

Table 2

Entry	Name	p70S6K	Akt-1	PDK-1
186	N <sup>5</sup> -acetyl-N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide N-5acetyl N-2[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide	D		
187	N <sup>5</sup> -acetyl-N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin- 4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide N-5acetyl N-2[2-amino-5-cyano-6- (methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-L-ornithinamide	D		
188	N <sup>2</sup> -[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-N <sup>2</sup> - methyl-N-{3-[(trifluoromethyl)oxy]phenyl}-L- alaninamide N-2- [2 amino-5 cyano-6 (methyloxy)pyrimidin-4-yl]- N-2- methyl-N-{3-[(trifluoromethyl)oxy]phenyl}-L- alaninamide	D		
189	methyl 3-({N-[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-L-alanyl}amino)-5-(trifluoromethyl)benzoate	D		
190	3-({N-[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-L-alanyl}amino)-N-[2-(dimethylamino)ethyl]-5-(trifluoromethyl)benzamide	D		
191	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-3- morpholin-4-yl-N-[3-(trifluoromethyl)phenyl]-L- alaninamide N-2[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-3- morpholin-4-yl-N-[3-(trifluoromethyl)phenyl]-L- alaninamide	D		
192	N <sup>2</sup> -[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-3- morpholin-4-yl-N-[3-(trifluoromethyl)phenyl]-L- alaninamide N-2[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-3- morpholin-4-yl-N-[3-(trifluoromethyl)phenyl]-L- alaninamide	D		
193	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-3- morpholin-4-yl-N-[3-(trifluoromethyl)phenyl]-L- alaninamide N-2[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-3- morpholin-4-yl-N-[3-(trifluoromethyl)phenyl]-L- alaninamide	D		

Table 2

Entry	Name	p70S6K	Akt-1	PDK-1
194	N <sup>5</sup> -(aminocarbonyl)-N <sup>2</sup> -[2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]- L-ornithinamide N-5- (aminocarbonyl) N-2- [2-amino-5-cyano-6- (ethyloxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]- L-ornithinamide	D	D	
195	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-D-lysinamide N-2[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]-D-lysinamide	D	D	
196	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3- (trifluoromethyl)phenyl]-D-lysinamide N-2[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N- [3-(trifluoromethyl)phenyl]-D-lysinamide	D	D	
197	N <sup>2</sup> -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-O-methyl-N-[3-(trifluoromethyl)phenyl]-L-serinamide N-2-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-O-methyl-N-[3-(trifluoromethyl)phenyl]-L-serinamide	D		
198	N <sup>2</sup> -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N <sup>5</sup> - (methylsulfonyl)-N-[3-(trifluoromethyl)phenyl]-L- ornithinamide N-2[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]- N-5(methylsulfonyl)-N-[3-(trifluoromethyl)phenyl]-L- ornithinamide	D		